

PRIORITY

04T
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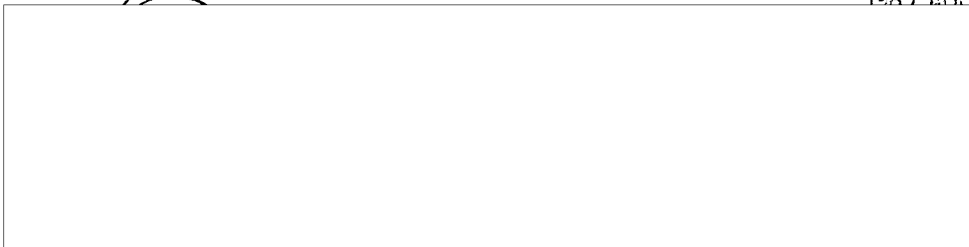
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T O P S E C R E T 082106Z

1963 AUG 8 21 34Z

9 AUG 1963

25X1



9 AUG 1963

SUBJECT: MISSION 8803 PRELIMINARY ANALYSIS

1. CONSISTENTLY RECOGNIZE MOTOR VEHICLES, SMALL AIRCRAFT, RUNWAY LETTERING AND MARKING, RAILROAD CARS.

2. ESTIMATE BEST GROUND RESOLUTION 4-5 FEET.

3. INDEX CAMERA SHUTTER DID NOT OPERATE. CAUSE UNKNOWN. STELLAR PHOTOGRAPHY OBTAINED BUT FILM METERING WAS ERRATIC. CAUSE UNDETERMINED.

HFS ☒
CJS ☒
GEO ☒
DWS ☒
AGH ☒

Grace (File))

**4. PHOTOGRAPHY GENERALLY SHOWS SOFT IMAGERY CAUSED BY:
A. THERMAL CONDITIONS BEING 15 TO 20 DEGREES HIGHER THAN NOMINAL.**

B. INSTRUMENT DYNAMICS.

C. ERROR IN INC FROM INCORRECT CYCLING RATE OR VEHICLE ATTITUDE AND RATES.

5. OBSERVATIONS MADE TO DATE SHOW:

A. SOME FRAMES HAVE LOCALIZED HIGH QUALITY.

B. DURATION OF OPERATION WITHIN A PASS HAS NO OBSERVED EFFECT ON QUALITY.

C. DURATION OF MISSION HAS NO OBSERVED EFFECT ON QUALITY.

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Declassification Review by NGA/DoD

25X1

GROUP 1
Excluded from automatic
downgrading and
declassification

TOP SECRET

- 2 -

D. NO DIRECT COMPARISON OF PRE AND POST ROLL JOINT OPERATION COULD BE MADE. HOWEVER, NO APPARENT DEGRADATION DUE TO ROLL JOINT HAS BEEN OBSERVED.

E. PITCH AND ROLL DATA INDICATE GOOD VEHICLE STABILITY THROUGHOUT. YAW UNKNOWN AT PRESENT.

F. SOME DOUBLE IMAGERY OBSERVED IN A FEW INSTANCES.

6. MOST PROBABLE CAUSES OF DEGRADATION IN LIMITED OBSERVATIONS MADE ARE:

A. TEMPERATURE

B. IMC

C. DYNAMICS

7. FAILURE ANALYSIS TO DATE SHOWS:

A. PAN CAMERA AND S/I CAMERA FAILED TO START ON PASS 23.

B. TELEMETRY INDICATES DECODER PASSED CORRECT COMMANDS BUT INSTRUMENTS FAILED TO RESPOND.

C. NO RESPONSE TO REAL TIME COMMAND AND VEHICLE BYPASSES DECODER.

D. TESTING AT ON SUSPECTED COMPONENTS HAS THUS FAR FAILED TO DUPLICATE FAILURE.

25X1

8. EXPOSURE APPEARS TO BE CORRECT AND AS PREDICATED.

T O P S E C R E T

END OF MESSAGE